

Claims

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1. Method for providing connection security for the transmission between communicating parties in a telecommunication network, the method comprising the steps of:

5 exchanging security parameters between communicating parties,
providing connection security for messages based on these security
parameters, and

transmitting said-messages between communicating parties,
characterized in that the method further comprises the steps of:
10 reaching agreement between communicating parties on an interval
for recalculation of the security parameters,

monitoring of the interval for recalculation by the communicating parties,

15 recalculating the security parameters at the agreed interval, and
providing connection security for messages based on the latest re-
calculated security parameters.

2. Method according to claim 1, characterized in that providing connection security for messages based on the latest recalculated security parameters comprises the step of

20 ciphering messages based on the latest recalculated security pa-
 rameters.

3. Method according to claim 1, characterized in that providing connection security for messages based on the latest recalculated security parameters comprises the step of

25 authenticating and providing integrity for the messages based on the
latest recalculated security parameters.

4. Method according to claim 1, characterized in that providing connection security for messages based on the latest recalculated security parameters comprises the steps of

30 ciphering messages based on the latest recalculated security pa-
 rameters, and

authenticating and providing integrity for the messages based on the latest recalculated security parameters.

35 5. Method according to claim 3 ~~or 4~~, characterized in that authenticating and providing integrity for the messages is arranged with a message authentication code MAC.

[illegible]

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numbering the messages,

5 the recalculation of the security parameters,

numbering the messages with sequence numbers,

transmitting the sequence number with the message, and

15 method comprises the step of

reaching agreement between communicating parties during hand-

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